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## Summary

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|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 4                                               |
| Wire Size/AWG                      | 30 - 22                                         |
| Gender                             | Standard                                        |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                 |
| Size                               | 1P                                              |
| Suggested matching part            | <a href="#">PAG.M0.4GL.AC39G</a>                |
| Series                             | REDEL P - Push-Pull                             |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/plg-m0-4gl-lg.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/plg-m0-4gl-lg.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 4                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.5 mOhm                      |
| Insert configuration value      | 1P.M04 - 4 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 8 A                           |
| Test voltage contact-contact    | 1.7 (kV DC)                   |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Air clearance                   | 1.2 mm                        |
| Creepage distance               | 1.2 mm                        |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.9 mm (0.0354in)             |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Shell style / Model id | PL - Fixed receptacle, nut fixing                                    |
| Socket / Receptacle    | Fixed Panel Front Mounted                                            |
| Housing material       | PSU (Polysulfone), grey                                              |
| Locking system         | Push-pull                                                            |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour                 | Grey                                                                 |
| Variant                | Grey front nut                                                       |
| Weight                 | 4.79 g                                                               |

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## Environment

|                                   |                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical domain                  | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV                                                                                                             |
| Environmental sealing (IP rating) | IP50                                                                                                                                                                                                |
| Endurance                         | > 5000 mating cycles                                                                                                                                                                                |
| Temperature range                 | -50°C / +150°C                                                                                                                                                                                      |
| F ret (max)                       | 150 N                                                                                                                                                                                               |
| F ret (min)                       | 50 N                                                                                                                                                                                                |
| Steam sterilization               | Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. For more details on sterilization methods and cycles, please contact us. |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
|------------------------------------|-----------------|

# Recommended By Lemo

## Accessories

|                |                             |
|----------------|-----------------------------|
| Compatible cap | <a href="#">PBG.200.BMV</a> |
|----------------|-----------------------------|

## Tools

|         |                                |
|---------|--------------------------------|
| Spanner | <a href="#">DCA.91.231.7TN</a> |
|---------|--------------------------------|

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/plg-m0-4gl-lg.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/plg-m0-4gl-lg.html)

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                          |
|--------------------|---------------|--------|--------------------------------------------------------------------------------------|
| CMN.04.T22.047QGC  | TPR           | Grey   |                                                                                      |
| CMN.04.T22.048QGZE | TPR (medical) | Grey   |    |
| CMN.04.T28.031PGCE | PVC           | GREY   |    |
| CMN.04.T28.031PGZE |               | grey   |    |
| CMN.04.T28.031PNCE | PVC           | Black  |    |
| CMN.04.T28.031PNZE |               |        |    |
| CMN.04.T28.031QGC  | TPR           | Grey   |                                                                                      |
| 140240             | PVC           | Black  |    |
| 140250             | PVC           | Grey   |    |
| 40080              | PVC           | Black  |                                                                                      |
| 40086              | PVC           | Blue   |                                                                                      |
| 40140              | PVC           | Black  |    |
| 40240              | PTFE          | White  |  |
| 40260              | PVC           | Black  |  |
| 4041               | PVC           | Grey   |  |
| 4050               | PVC           | Black  |  |
| 4080               | PVC           | Grey   |                                                                                      |
| 417920             | PVC           | Grey   |  |
| 4220               | PVC           | Black  |  |
| 4221               | PVC           | Black  |  |
| 4260               | PTFE          | White  |  |
| 4280               | PVC           | Black  |  |
| 80080              | PVC           | Grey   |                                                                                      |
| 80082              | PVC           | Red    |                                                                                      |
| 80084              | PVC           | Black  |                                                                                      |
| CTR.75.030.121870G | PVC           | Grey   |  |

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